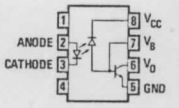
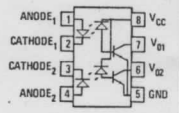
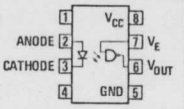
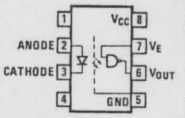
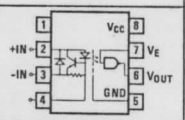
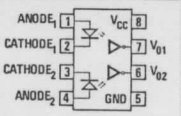
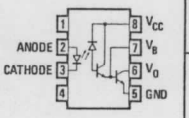
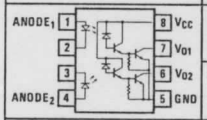
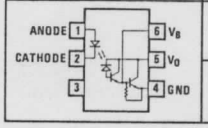
High Speed Optocouplers

Device		Description	Application[1]	Typical Data Rate (NRZ)	Current Transfer Ratio	Specified Input Current	Input To Output Insulation	Page No.
	6N135 (5082-4350)	Transistor Output	Line Receiver, Analog Circuits, TTL/CMOS, TTL/LSTTL Ground Isolation	1M bit/s	7% Min.	16mA	3000Vdc[3]	186
	6N136 (5082-4351)				19% Min.			
	HCPL-2502 (5082-4352)				15-22%[2]			
	HCPL-2530 (5082-4354)	Dual Channel Transistor Output	Line Receiver, Analog Circuits, TTL/CMOS, TTL/LSTTL Ground Isolation	1M bit/s	7% Min.	16mA	3000Vdc[3]	190
	HCPL-2531 (5082-4355)				19% Min.			
	6N137 (5082-4360)	Optically Coupled Logic Gate	Line Receiver, High Speed Logic Ground Isolation	10M Bit/s	700% Typ.	5.0mA	3000Vdc[3]	194
	HCPL-2601 (5082-4361)	High Common Mode Rejection, Optically Coupled Logic Gate	Line Receiver, High Speed Logic Ground Isolation In High Ground or Induced Noise Environments	10M bit/s	700% Typ.	5.0mA	3000Vdc[3]	198
	HCPL-2602	Optically Coupled Line Receiver	Replace Conventional Line Receivers In High Ground or Induced Noise Environments	10M bit/s	700% Typ.	5.0mA	3000Vdc[3]	202
	HCPL-2630 (5082-4364)	Dual Channel Optically Coupled Gate	Line Receiver, High Speed Logic Ground Isolation	10M bit/s	700% Typ.	5.0mA	3000Vdc[3]	208

Low Input Current/High Gain Optocouplers

Device		Description	Application[1]	Typical Data Rate (NRZ)	Current Transfer Ratio	Specified Input Current	Input To Output Insulation	Page No.
	6N138 (5082-4370)	Low Saturation Voltage, High Gain Output, V_{CC}=7VMax.	Line Receiver, Low Current Ground Isolation, TTL/TTL, LSTTL/TTL, CMOS/TTL	300k bit/s	300% Min.	1.6mA	3000Vdc[3]	212
	6N139 (5082-4371)	Low Saturation Voltage, High Gain Output, V_{CC}=18V Max.	Line Receiver, Ultra Low Current Ground Isolation, CMOS/LSTTL CMOS/TTL, CMOS/CMOS		400% Min.	0.5mA		
	HCPL-2730	Dual Channel, High Gain, V_{CC}=7V Max.	Line Receiver, Polarity Sensing, Low Current Ground Isolation	300k bit/s	300% Min.	1.6mA	3000Vdc[3]	216
	HCPL-2731	Dual Channel, High Gain, V_{CC}=18V Max.			400%Min.	0.5mA		
	4N45	Darlington Output V_{CC}=7V Max.	AC Isolation, Relay-Logic Isolation	3k bit/s	250% Min.	1.0mA	3000Vdc[3]	220
	4N46	Darlington Output V_{CC}=20V Max.			350% Min.	0.5mA		